

Title (en)
X-RAY TUBE AND X-RAY SOURCE INCLUDING SAME

Title (de)
RÖNTGENRÖHRE UND RÖNTGENQUELLE DAMIT

Title (fr)
TUBE A RAYONS X ET SOURCE DE RAYONS X COMPRENANT CE TUBE

Publication
EP 1944789 A4 20110907 (EN)

Application
EP 06811212 A 20061004

Priority

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- JP 2005295704 A 20051007

Abstract (en)
[origin: EP1944789A1] The present invention relates to an X-ray tube (1A), having a structure enabling capturing of a clear magnified transmission image and enabling increase of a magnification factor of the magnified transmission image, and an X-ray source including the X-ray tube. In the X-ray tube (1A), X-rays are generated by making electrons from an electron gun (11) incident onto an X-ray target of an anode (5), disposed inside an anode housing unit(3), and the generated X-rays are taken out from an X-ray emission window. In particular, the anode housing unit (3) has a pair of conductive flat portions (13d) disposed parallel to a reference plane, orthogonal to an electron incidence surface (5d) of the X-ray target, and so as to sandwich the X-ray target. The reference plane contains a first reference line, joining an electron emission exit center of the electron gun (11) and an electron incidence surface center of the X-ray target, and a second reference line, being a straight line intersecting the first reference line on the electron incidence surface (5a) of the X-ray target and joining the electron incidence surface center and an X-ray emission window center.

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Citation (search report)

- [X] US 3567983 A 19710302 - VRIES GERHARD HEINRICH FRIEDRI
- [X] WO 2004097888 A2 20041111 - CXR LTD [GB], et al
- See references of WO 2007043412A1

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